

Connor Elias Way

the relations of luminous to illuminated bodies

for two pianos and two percussion

(2022)

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PROGRAM NOTE

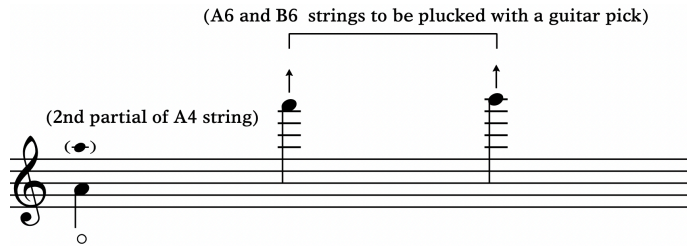
“The relations of luminous to illuminated bodies”, which is a heading found within the notebooks of Leonardo da Vinci, refers to objects that generate their own light versus objects that reflect light (e.g. the sun and the moon). I used this idea as a way to conceptualize the timbral relationship between pianos and crotales, the latter of which have a longer, more glowing sustain. The piece begins with both percussionists holding harmonic nodes and plucking strings inside the pianos, creating a kind of dark, glinting moonscape of sound. The piece ends with both percussionists bowing a set of crotales, effectively backlighting a simple two-voice progression and extending the resonance of the pianos.

DURATION: 6.5 minutes

PERFORMANCE NOTES

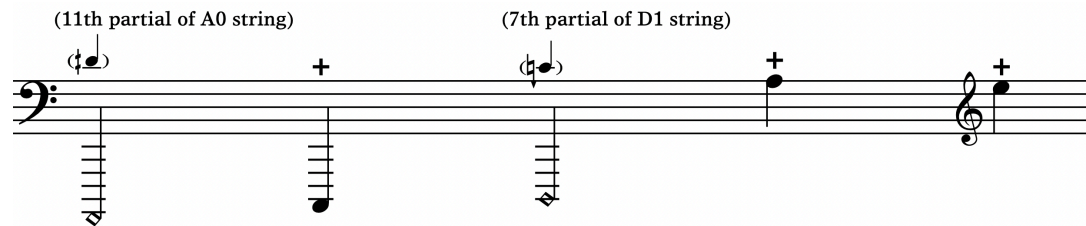
Percussion 1:

- Crotales (higher octave), mallet, and bow.
- Snare drum
- The following strings should be marked inside piano 1 and held/plucked by percussion 1



Percussion 2:

- Crotales (lower octave), mallet, and bow.
- Snare drum
- The following notes should be marked inside piano 2 and held down by percussion 2 except for muted notes (denoted by "+") which should be muted with putty near the agraffe.



the relations of luminous to illuminated bodies

for Yarn/Wire

Connor Elias Way

$\text{♩} = 104$ mechanically precise, nimble

Inside the piano (hold down node of 2nd partial on A4 string)

(pluck with guitar pick)

Percussion 1

Piano 1

Inside the piano (Hold down nodes of A0 11th harmonic [through bar 9] and D1 7th harmonic [through bar 16])

Percussion 2

Piano 2

(11th harmonic of A0) (♩)

(7th harmonic of D1)

(Harmonic nodes in bars 1-16 touched by perc. 2. Muted notes are achieved via puddy.)

This page of a musical score is divided into four systems. The first system contains Percussion 1 (Perc. 1) and Piano 1 (Pno. 1). Perc. 1 is written in a single staff with a treble clef and a 4/4 time signature. It features four measures with various rhythmic patterns, including eighth and sixteenth notes, and rests. Dynamic markings include *p* at the end of the fourth measure. Pno. 1 is written in grand staff (treble and bass clefs) with a 4/4 time signature. It features a melodic line in the right hand and a bass line in the left hand. Dynamic markings include *p*, *mp*, *f*, and *pp*. The second system contains Percussion 2 (Perc. 2) and Piano 2 (Pno. 2). Perc. 2 is written in a single staff with a treble clef and a 4/4 time signature, featuring four measures of rests. Pno. 2 is written in grand staff with a 4/4 time signature. It features a melodic line in the right hand and a bass line in the left hand. Dynamic markings include *p*, *f*, *mp*, and *p*. The score includes various musical notations such as stems, beams, slurs, and articulation marks. A large arrow at the bottom of the page points to the right.

9 **A**

Perc. 1

Perc. 2

Pno. 1

Pno. 2

mp *p* *f* *p*

mp *p* (ord.) *mp* *p*

(B)

(C)

ped. (only lift after repeat)

14

Perc. 1

Perc. 2

Pno. 1

Pno. 2

p

mp

p

f

p

pp

p

(ord.)

(reach for A0 11th partial node)

(B)

(C)

↑

↑

↑

↑

red.

red.

red.

(only lift after repeat)

B

C

20 To D \flat 6 crotale over upside-down snare drum

Perc. 1

Pno. 1

p f p f p f p

To C \flat 6 crotale over upside-down snare drum; remove A3 and E5 puddy from piano 2

Perc. 2

Pno. 2

p mp p mp p mp

(pianist holds A0 11th harmonic node through bar 49)

(only lift after repeat)

(only lift after repeat)

D

(Hold crotale in hand approx. 1ft above upside-down snare drum with snares engaged. Strike with mallet and gradually lower on to snares.)

29 **D6 Crotale + S.D.**

Perc. 1

Pno. 1

p *f* *p* *f* *p*

(C)

ped. (only lift after repeat)

(Hold crotale in hand approx. 1ft above upside-down snare drum with snares engaged. Strike with mallet and gradually lower on to snares.)

C6 Crotale + S.D.

Perc. 2

Pno. 2

p *mp* *p* *mp* *p* *mp*

ped.
(hold sus. pedal until the end of bar 51)

34 E

Perc. 1

Perc. 2

Pno. 1

Pno. 2

(C)

(F)

p *f* *p* *f* *p*

p *mp* *p* *mp* *p* *mp* *p*

(ped.)

(lift both times)

40 **F**

Perc. 1

Perc. 2

Pno. 1

Pno. 2

p *mp* *p* *mp* *p*

p *f* *p*

(C)

(lift both times)

46 **G**

Perc. 1

Perc. 2

Pno. 1

Pno. 2

mp *p* *mp* *p* *mp* *p*

mp

Red.

H

52 To regular crotale stand with bow

Repeat 2x (3x total)

Perc. 1

Musical staff for Perc. 1. It consists of a single treble clef staff with a 4/4 time signature. The staff contains rests for the first four measures, followed by a repeat sign. The second measure of the repeat is in 2/4 time, and the third is in 4/4 time. The staff ends with another repeat sign.

Pno. 1

Musical staff for Pno. 1. It consists of two staves (treble and bass clefs) with a 4/4 time signature. The treble staff has a dynamic marking of *pp* and contains chords with fingerings (F) and slurs. The bass staff contains a melodic line with slurs. A rehearsal mark (Sed) is placed at the beginning of the staff. The piece concludes with a repeat sign.

Perc. 2

To regular crotale stand with bow

Musical staff for Perc. 2. It consists of a single treble clef staff with a 4/4 time signature. The staff contains rests for the first four measures, followed by a repeat sign. The second measure of the repeat is in 2/4 time, and the third is in 4/4 time. The staff ends with another repeat sign.

Pno. 2

Musical staff for Pno. 2. It consists of two staves (treble and bass clefs) with a 4/4 time signature. The treble staff has dynamic markings of *mp* and *pp* and contains chords with fingerings (F) and slurs. The bass staff contains a melodic line with slurs. A rehearsal mark (Sed) is placed at the beginning of the staff. The piece concludes with a repeat sign.

I Crotales (bowed)

Begin bowing on indicated beats. Attempt to get the crotale resonating as quickly as possible, aiming for an 8th note "zing" while taking care not to overpower the pianos. Sempre l.v.

60

Perc. 1

pp

Play groups of repeated 16ths with one finger, attempting a piston-like mechanical accuracy while remaining within the written dynamic.

Pno. 1

pp sonoro

sempre

(And.)

Crotales (bowed)

Begin bowing on indicated beats. Attempt to get the crotale resonating as quickly as possible, aiming for an 8th note "zing" while taking care not to overpower the pianos. Sempre l.v.

Perc. 2

pp

play groups of repeated 16ths with one finger, attempting a piston-like mechanical accuracy

Pno. 2

pp sonoro

(And.)

J

66

Perc. 1

Pno. 1

Perc. 2

Pno. 2

The musical score consists of four staves. The top staff is for Percussion 1, the second and third staves are for Piano 1, and the bottom two staves are for Piano 2. The score is divided into two systems by a double bar line at measure 67. The first system (measures 66-67) is in 4/4 time, and the second system (measures 68-70) is in 2/4 time. The Percussion 1 staff features a rhythmic pattern of eighth notes with accents. The Piano 1 and Piano 2 staves feature complex melodic lines with many slurs and accents. The Piano 1 staff has a fermata over the final measure of the first system. The Piano 2 staff has a fermata over the final measure of the second system. The Percussion 2 staff has a rhythmic pattern of eighth notes with accents. The score ends with a double bar line and repeat signs at the end of each staff.

72

Perc. 1

Perc. 2

Pno. 1

Pno. 2

The image shows a page of a musical score, page 13, starting at measure 72. It features four staves: Perc. 1, Perc. 2, Pno. 1, and Pno. 2. The Perc. 1 and Perc. 2 staves are in treble clef. The Pno. 1 and Pno. 2 staves are in grand staff notation (treble and bass clefs). The score is divided into five measures, each with a different time signature: 7/8, 2/4, 3/4, 4/4, 5/4, and 4/4. The Perc. 1 staff contains rhythmic patterns with accents and slurs. The Perc. 2 staff contains rhythmic patterns with accents and slurs. The Pno. 1 staff contains complex melodic lines with many beamed notes and slurs. The Pno. 2 staff contains a more melodic line with slurs and accents. There are two '(Ped.)' markings at the beginning of the Pno. 1 and Pno. 2 staves, with arrows pointing to the right, indicating pedaling. The page number '13' is in the top right corner.

77 **K**

Musical score for Percussion 1, Piano 1, Percussion 2, and Piano 2. The score is in 4/4 time and consists of 8 measures. The key signature is one sharp (F#). Percussion 1 and Percussion 2 play simple rhythmic patterns. Piano 1 and Piano 2 play complex melodic and harmonic lines with many slurs and accents. The score is divided into two systems, each with a repeat sign at the end.

Perc. 1

Pno. 1

Perc. 2

Pno. 2

(Ped.)

L

81

Perc. 1

Musical staff for Percussion 1, featuring a treble clef and a 7/8 time signature. The staff contains a sequence of notes and rests, with a key signature change to one sharp (F#) at the beginning of the second measure. The piece concludes with a 2/4 time signature.

Pno. 1

Musical staff for Piano 1, consisting of two staves (treble and bass clefs). The piece features complex rhythmic patterns, including triplets and sixteenth notes, with various articulations such as accents and slurs. A fermata is placed over a note in the bass staff. A double bar line with a repeat sign is present at the end of the piece.

Perc. 2

Musical staff for Percussion 2, featuring a treble clef and a 7/8 time signature. The staff contains a sequence of notes and rests, with a key signature change to one sharp (F#) at the beginning of the second measure. The piece concludes with a 2/4 time signature.

Pno. 2

Musical staff for Piano 2, consisting of two staves (treble and bass clefs). The piece features complex rhythmic patterns, including triplets and sixteenth notes, with various articulations such as accents and slurs. A fermata is placed over a note in the bass staff. A double bar line with a repeat sign is present at the end of the piece.

M

85

Perc. 1

Musical staff for Perc. 1, featuring a sequence of time signatures: 2/4, 3/4, 4/4, 5/4, 4/4, 3/4, and 4/4. The notation includes rests and notes with stems and flags.

Pno. 1

Musical staff for Pno. 1, consisting of a grand staff with treble and bass clefs. It features complex melodic lines with slurs, ties, and dynamic markings. A fermata is present over the final measure. A red circled 'R' with an arrow is located below the bass staff.

Perc. 2

Musical staff for Perc. 2, featuring a sequence of time signatures: 2/4, 3/4, 4/4, 5/4, 4/4, 3/4, and 4/4. The notation includes rests and notes with stems and flags.

Pno. 2

Musical staff for Pno. 2, consisting of a grand staff with treble and bass clefs. It features complex melodic lines with slurs, ties, and dynamic markings. A fermata is present over the final measure. A red circled 'R' with an arrow is located below the bass staff.

91

Perc. 1

Perc. 2

Pno. 1

Pno. 2

(Ped)

(B)

The musical score consists of four staves. The top staff is for Perc. 1, the second for Perc. 2, the third for Pno. 1, and the fourth for Pno. 2. The time signature is 4/4. The key signature has one sharp (F#). A box with the letter 'N' is located above the Perc. 1 staff. The score is divided into four measures. Measure 91 starts with a 4/4 time signature. Measure 92 changes to 5/4. Measure 93 returns to 4/4. Measure 94 also has a 4/4 time signature. Pedal markings '(Ped)' and '(B)' are present below the piano staves.

97

Perc. 1

Perc. 2

Pno. 1

Pno. 2

(*sed.*)

(*sed.*)

O

f

f

103

Perc. 1

Perc. 2

Pno. 1

Pno. 2

The image shows a musical score for measures 103 through 109. It features four staves: Perc. 1, Perc. 2, Pno. 1, and Pno. 2. The Perc. 1 and Perc. 2 staves contain rhythmic notation with various note values and rests. The Pno. 1 and Pno. 2 staves are primarily empty, with some vertical lines indicating specific performance techniques or effects. A large bracket spans across the Pno. 1 and Pno. 2 staves, with the instruction '(Ped)' written below it, indicating a sustained pedal effect. The score is written in 4/4 time and includes dynamic markings such as 'p' (piano) and 'v' (forte).